

ASPOM[™] Polyacetal (POM)

PRODUCT BROCHURE



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ASPOM™

Introduction

is the trade name for ASEP's product line of thermoplastically processable copolymeric polyoxymethylenes. Polyoxymethylene (POM) is a semi-crystalline thermoplastic material commonly referred to as acetal or polyacetal. The ASPOM™ family encompasses engineering plastics with different characteristics suitable for use in complex and highly durable components. ASPOM™ meets the requirements made of a technical material especially well.



Properties

ASPOM™ is a high-performance engineering plastic that finds extensive application across various industries. It possesses a range of unique characteristics that make it suitable for a wide array of applications.



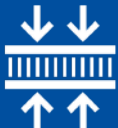
High strength & stiffness

High mechanical strength and rigidity



Easy of machining

Wide useful temperature range



Excellent wear properties

High resistance to repeated impacts



Self-lubrication

Low friction coefficient



Chemical resistance

Resistance to moisture, fuel, solvents and others



Dimensional Stability

Outstanding long-term fatigue endurance

Type of Grades

STANDARD GRADES:

Versatile for a wide range of general-purpose applications.

DRINKING WATER GRADES

Certified for potable water systems, meeting health and safety standards.

EXTRUSION GRADES:

Perfect for profiles, tubes, and sheets with superior melt stability and finish.

CONDUCTIVE GRADES:

Ensure ESD protection in sensitive electronic environments.

REINFORCED GRADES:

Glass or mineral-filled for enhanced strength and rigidity in structural components.

MEDTECH GRADES:

Biocompatible and sterilization-resistant for medical and healthcare use.

LOW EMISSION GRADES:

Minimized VOC emissions for environmentally conscious applications.

IMPACT-MODIFIED GRADES:

Built to endure shocks and stresses while maintaining structural integrity.

HOT DIESEL GRADES:

Designed for durability and chemical resistance in automotive fuel systems.

TRIBO GRADES:

Reduced friction and wear for gears, bearings, and other moving parts.

List of Grades

Properties of the unfilled POM, glass-fiber reinforced POM may offer:

Series	Grade	Features
POM Unfilled	M20N	MVR 7.5, Fast solidifying, standard grade
POM Unfilled	M20H	MVR 2.9, High molecular weight grade with good flowability
POM Unfilled	M20W	MVR 25, Excellent fluidity, fast solidifying
POM Unfilled	M20S	MVR 11, Easy flowing, fast curing
POM Antistatic	MEB10L	An antistatic polyformaldehyde grade
POM GF Reinforced	MG10L	POM GF 10% reinforced grade
POM GF Reinforced	MG15L	POM GF 15% reinforced grade
POM GF Reinforced	MG20L	POM GF 20% reinforced grade
POM GF Reinforced	MG25L	POM GF 25% reinforced grade
POM GF Reinforced	MG30L	POM GF 30% reinforced grade

List of Grades

Properties of the unfilled POM, glass-fiber reinforced POM may offer:

Series	Grade	Features
POM Toughened	MPT10L	POM toughened grade
POM Toughened	MPT15L	POM toughened grade
POM Toughened	MPT20L	POM toughened grade
POM Toughened	MPT30L	POM toughened grade

This product list showcases only a selection of our offerings. Please do not hesitate to contact us if you require any additional grades or have any custom requests. We are here to assist you with any and all of your needs.

Application in

Automotive



ASPOM™ gives designers an engineering plastic that shows many of the properties required in the automotive industry. ASPOM™ offers excellent fuel and chemical resistance, low swelling, good long-term thermal stability and electrical insulation capacity

Benefits include:

- Durable low-gloss surface
- Resistant to cleaning solutions
- Excellent dimensional stability
- Provides design flexibility



Potential applications include:

- Seat belt buckle
- Seat belt adjuster
- Door handle
- Speaker grill
- Fuel cap
- Fuel pump

Application in
Medical

Using ASPOM™ in medical technology can help reduce total manufacturing cost, through consolidation of multiple parts into a single unit and by implementation of automated assembly processes.

Benefits include:

- Easily-processed
- High strength & stiffness
- Lubricity over a broad range of temperatures



Application in

Consumer Goods



ASPOM™ finds extensive use in the consumer goods industry. It is employed in various applications such as zippers, buckles, handles, knobs, fasteners, and toys. ASPOM™ durability, low friction, and ability to withstand repeated use make it suitable for these applications.



Application in

Electronic



ASPOM™ can be used to make parts of telephones, tape recorders, video recorders, TV sets, electronic computers, fax machines, printers, etc., such as telephone dials and keys, TV relays and coil skeletons, electronic computer control components, timer parts, tape recorders , tape decks, micro switch cam discs and reverse sliders, CD changer switches and CD cases, printer front chassis, speaker grilles, etc.

Application in

Electrical



ASPOM™ electrical insulation properties and dimensional stability make it suitable for electrical applications that require good dielectric properties and resistance to moisture and chemicals.



Our Contact



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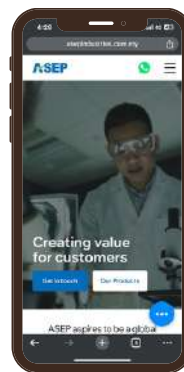
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